

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000078

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. 7: C12N 1/14, A01G 1/04, A01H 15/00 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) SEE ABOVE Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEE BELOW Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS, AGRICOLA, CA. (wood, timber, pulp, fungi, pleurotus, coriolus, phanerochaete, phlebia, ganoderma, oxidat, isolat, select)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Soares, C. H. L. and Duran, N.; Proceedings of the Brazilian Symposium on the Chemistry of Lignins and Other Wood Components, 4th, Recife, Brazil, Nov. 28-Dec. 1, (1995), 66-68. "Enzyme activities during biodegradation of bleached kraft pulp effluent by basidiomycetes fungi." (Whole document)	50, 51, 53-60, 62, 65 and 68
X	Archibald, F. S.; et al; Journal of Biotechnology (1997), 53 (2,3), 215-236. "Kraft pulp bleaching and delignification by Trametes versicolor." (Abstract; page 216, conclusions)	50, 51, 53-60, 62-65 and 68
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 28 June 2004		Date of mailing of the international search report 05 JUL 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer Philippa Wyrdean Telephone No : (02) 6283 2554

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Moreira, M. T.; et al; Applied and Environmental Microbiology (1997), 63 (5), 1749-1755. "Manganese is not required for bio-bleaching of oxygen-delignified kraft pulp by the white rot fungus Bjerkandera species strain BOS55." (Abstract; Introduction; Materials and Methods; Results- page 1750, col 2, last 2 lines- page 1751, col 1; Discussion page 1753, col 1)	50, 51, 53-60, 62-65 and 68
X	Reid, I.D.; Canadian Journal of Botany (1995), 73 (Suppl. 1, Sect. E-H, Fifth International Mycological Congress, Sect. E-H, 1994), S1011-S1018. " Biodegradation of lignin." (Abstract; Introduction; Conclusion)	50, 51, 53-60, 62-65 and 68